

ABSTRACT OF THE DISCLOSURE

A power train (1) of an all-wheel drive vehicle with at least two driven vehicle axles (4, 5), with a main transmission (3) placed between a main engine (2) and the vehicle axles (4, 5), capable of displaying different conversion ratios, which has three control and adjustment frictional clutches (k_{VA} , k_{HA_L} and k_{HA_R}). The first clutch (k_{VA}) is placed between the main transmission (3) and the first vehicle axle (4) and the second clutch (k_{HA_L}) and the third clutches (k_{HA_R}) are respectively located between an axle transmission (7) and two driven wheels (5A, 5B) of the second vehicle axle (5). The respective transfer capabilities of the clutches (k_{VA} , k_{HA_L} , k_{HA_R}) can be adjusted with an actuator (8), and the driving torque between the driven vehicle axles (4, 5) can be distributed depending on the adjusted transfer capabilities of the clutches (k_{VA} , k_{HA_L} , k_{HA_R}).